Learning Data Systems: The Practice and the Promise

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Goals

1. Discuss the important role of coordinated learning data for public health information systems and emergency preparedness
2. Describe applications of learning management system (LMS) technology
3. Divert your thoughts of lunch with a quiz

True or False?

In an emergency event, we have a system to identify which public health personnel from surrounding jurisdictions are trained to respond, and contact them.

True or False?

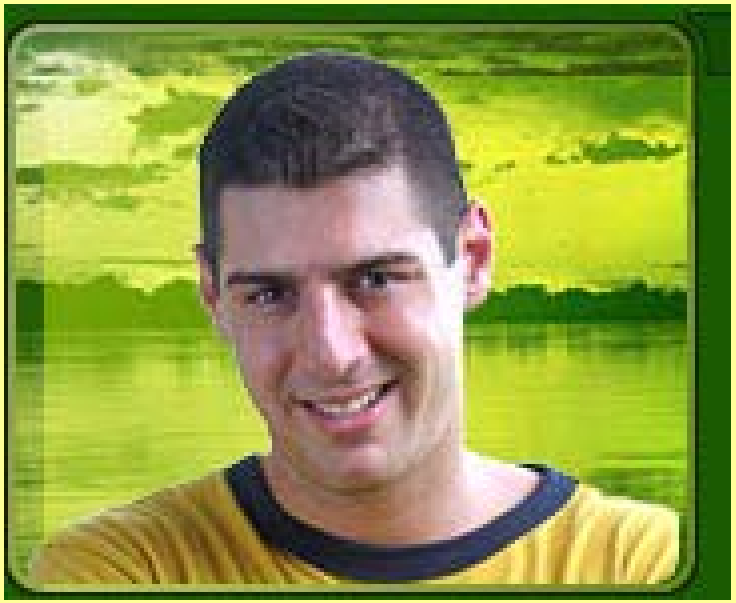
We know the current availability and gaps in training—at the national, state, and local levels—to assure a competent workforce.

True or False?

For a given public health topic, we know how many workers have received training.

True or False?

Rob is the winner of Survivor 6: The Amazon.



False

We need a nationwide, coordinated learning data system to...

- answer these questions
- support and expedite preparedness training
- understand and improve performance

Learning Management Systems (LMSs) offer essential information for public health practice

But what do they do?
What exists in public health?
Where are we going?

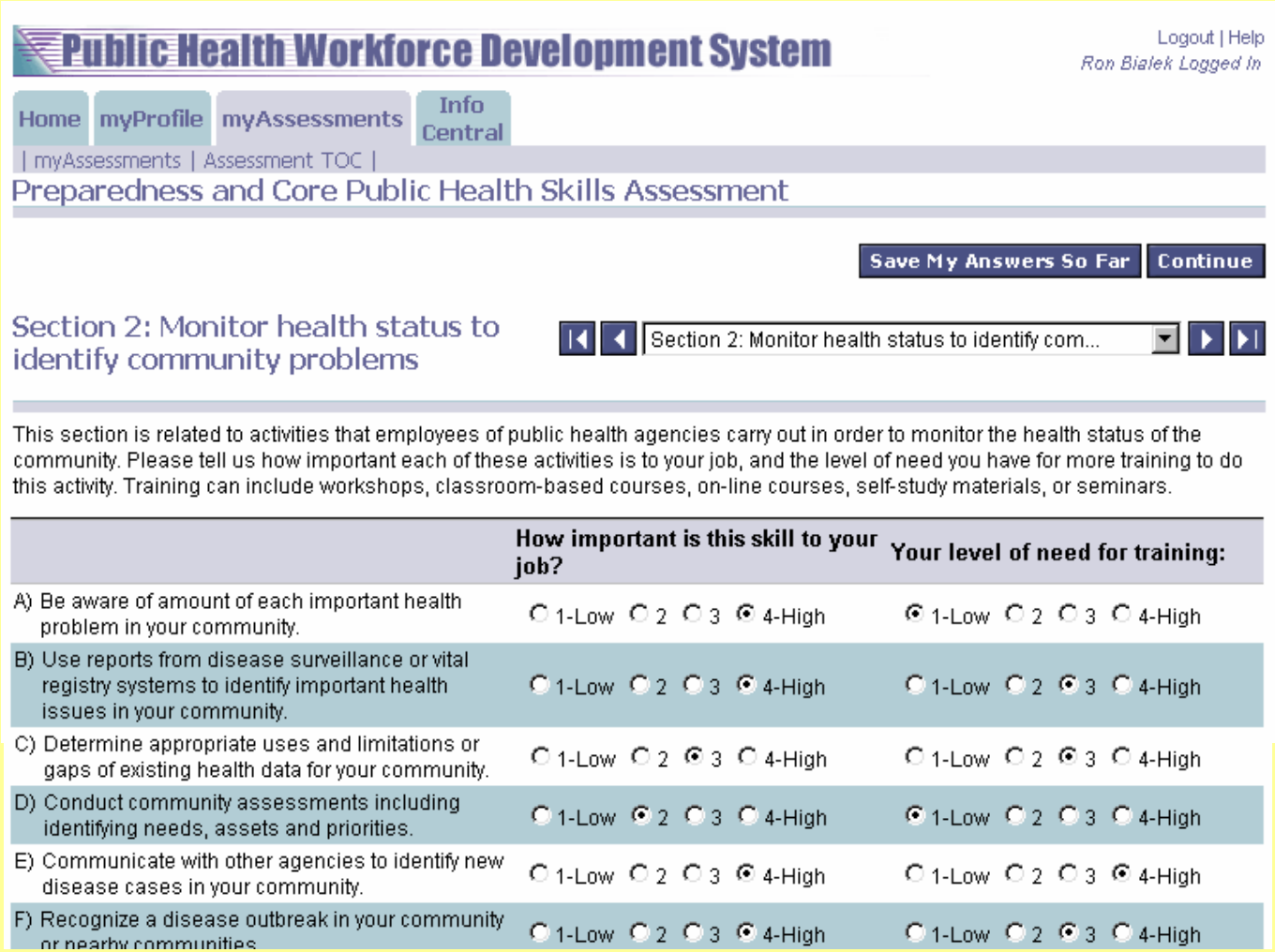
PHTN Public Health Training Network
Distance Learning System
www.phppo.cdc.gov/phtn

- Analyzing needs for training
- Prioritizing program and product development

Competency-based Self-Assessment

North Carolina Public Health Workforce Development System

University of North Carolina at Chapel Hill, School of Public Health



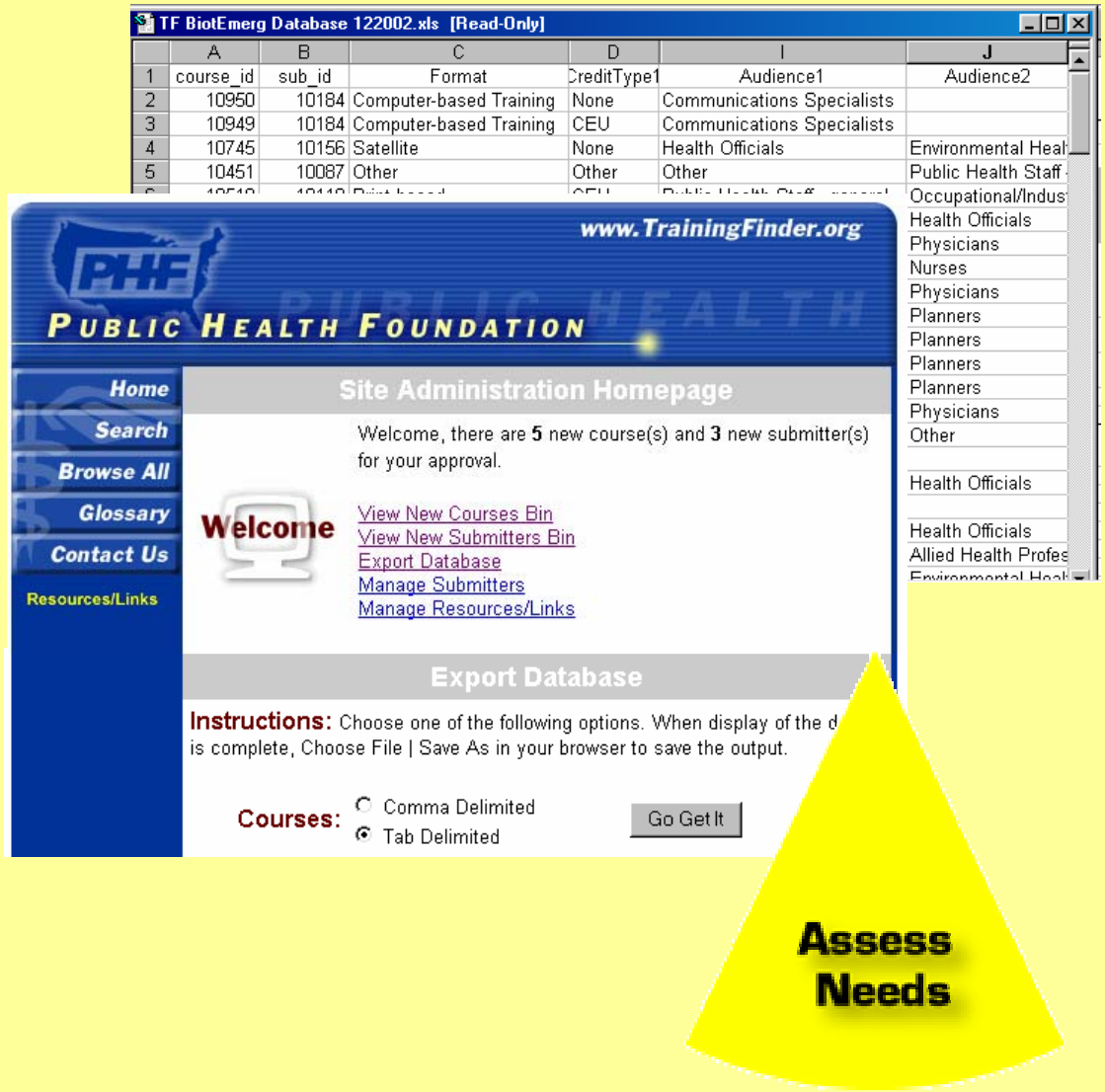
Test Site

Assessment of Available Courses and Gaps

TrainingFinder.org
Public Health Foundation

Example:

Database of nationally available bioterrorism and emergency preparedness distance learning courses



Test Site

PHTN Public Health Training Network

Distance Learning System

www.phppo.cdc.gov/phtn

- Online catalog and registration
- Access to experts, discussions, and materials

Participant Services

PHTN Online, www.phppo.cdc.gov/phtnonline

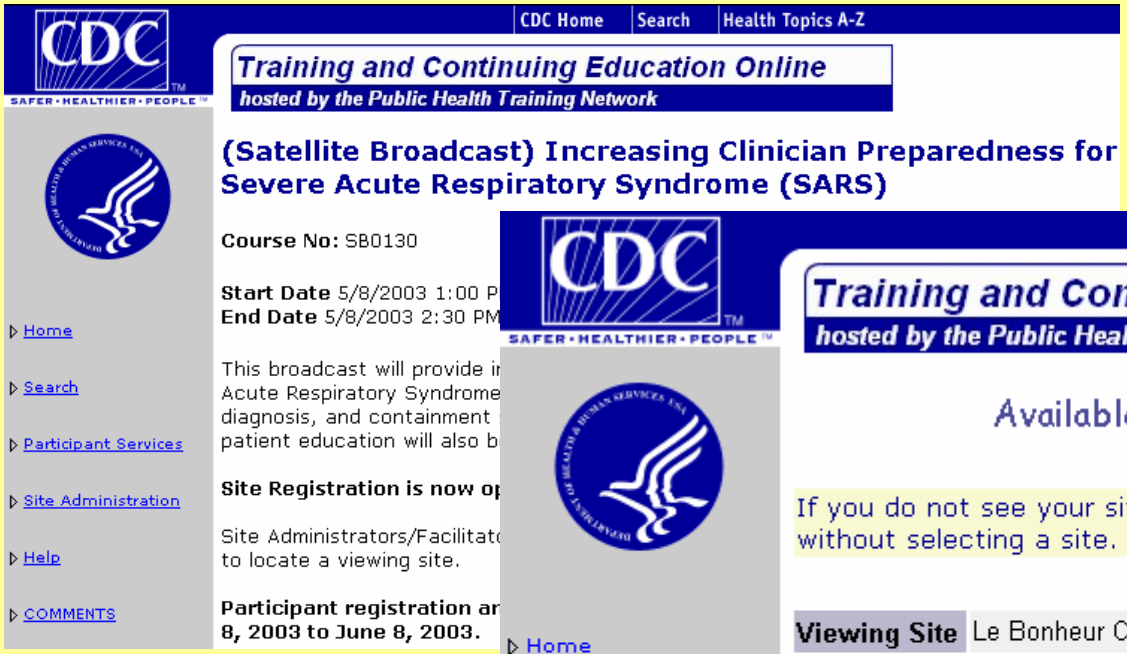
Centers for Disease Control and Prevention

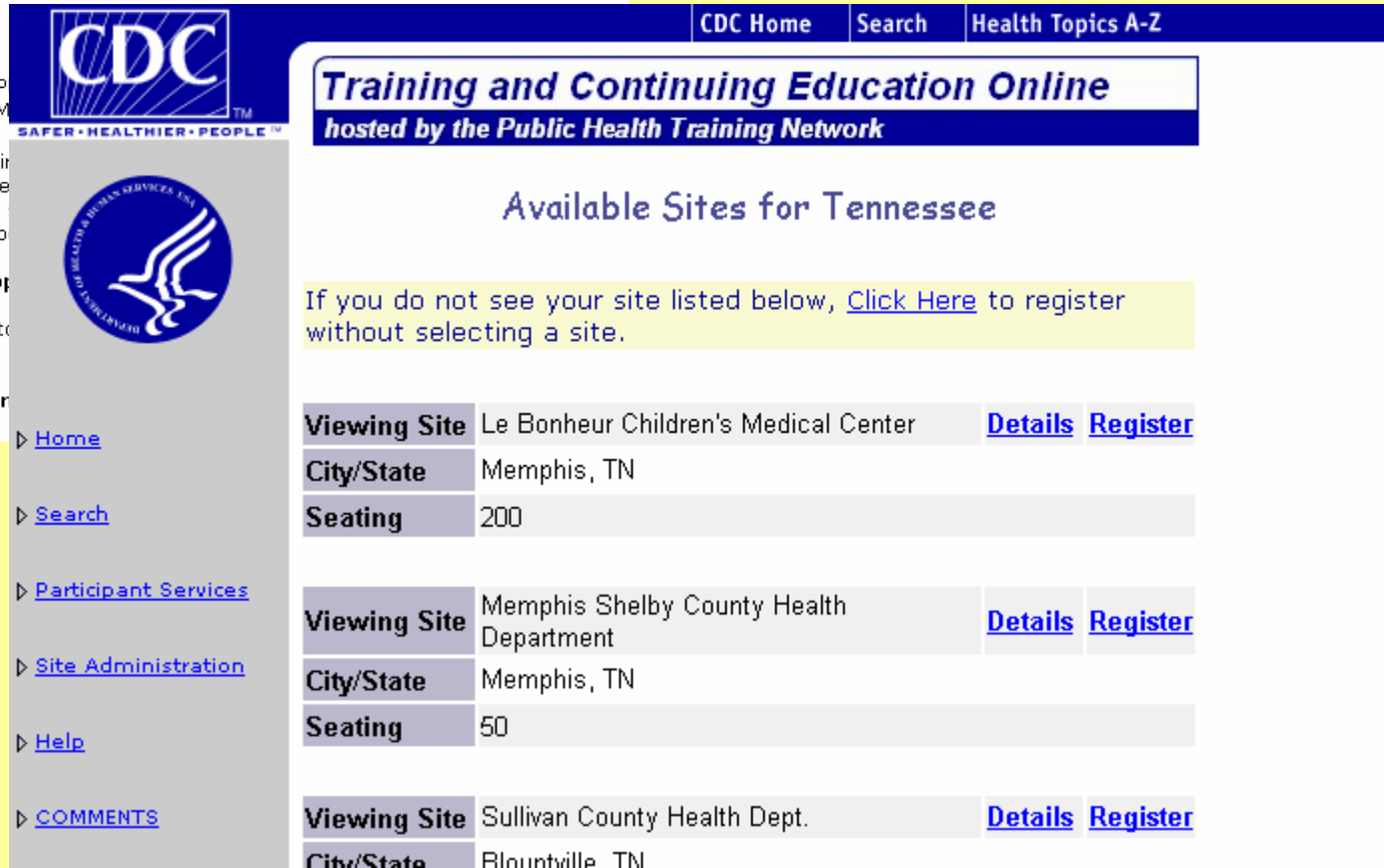
Search & Register

PHTN Online, www.phppo.cdc.gov/phtnonline

Centers for Disease Control and Prevention

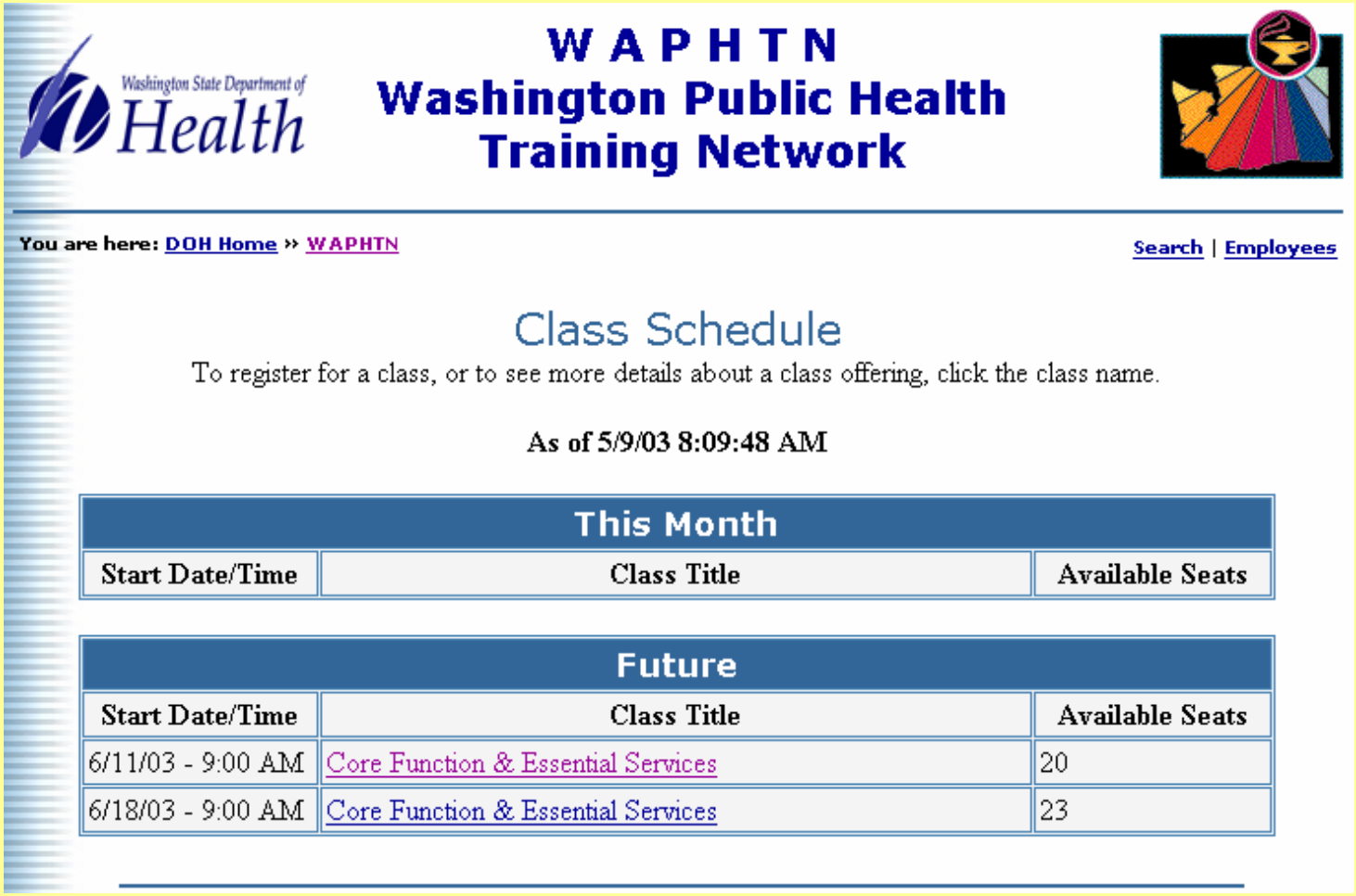
Support Learners





Class Schedule

Washington Public Health Training Network, www.doh.wa.gov/waphtn/



Washington State Department of Health

W A P H T N
Washington Public Health Training Network

You are here: DOH Home » WAPHTN

Search | Employees

Class Schedule

To register for a class, or to see more details about a class offering, click the class name.

As of 5/9/03 8:09:48 AM

This Month		
Start Date/Time	**Class Title**	**Available Seats**

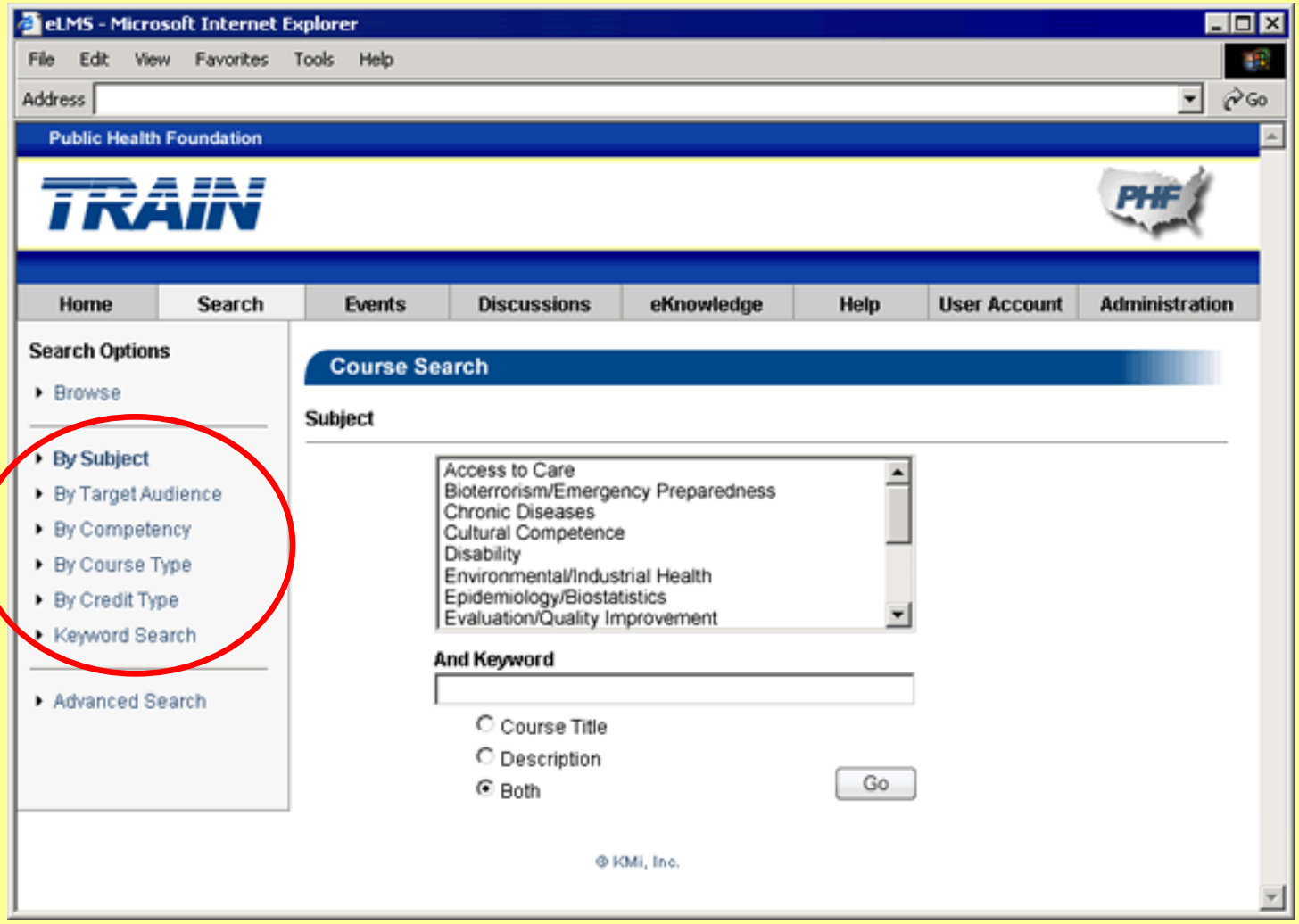
Future		
Start Date/Time	**Class Title**	**Available Seats**
6/11/03 - 9:00 AM	Core Function & Essential Services	20
6/18/03 - 9:00 AM	Core Function & Essential Services	23

Support Learners

Search & Register

TrainingFinder Real-time Affiliate Integrated Network (TRAIN)

Public Health Foundation

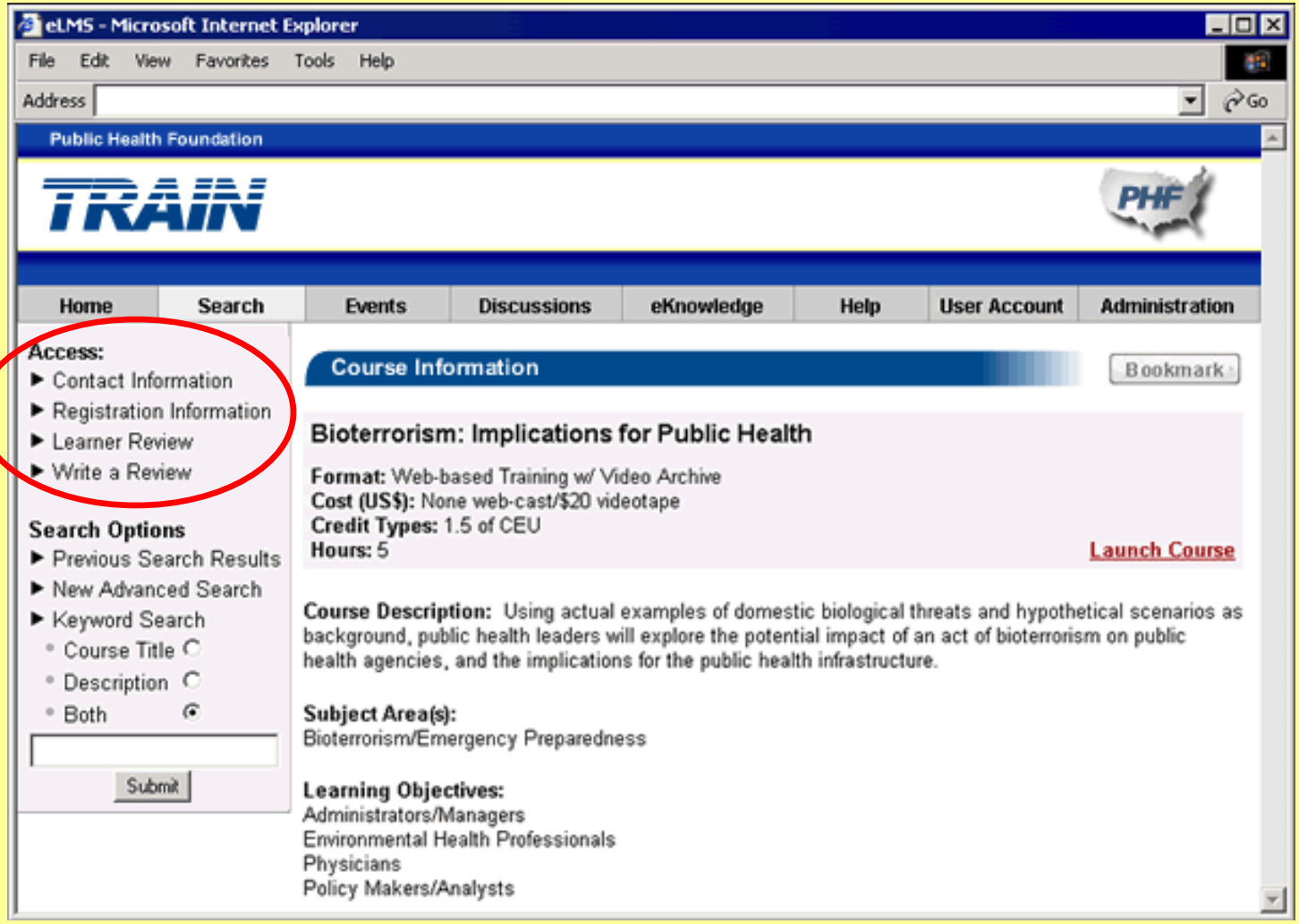


Support Learners

Search & Register

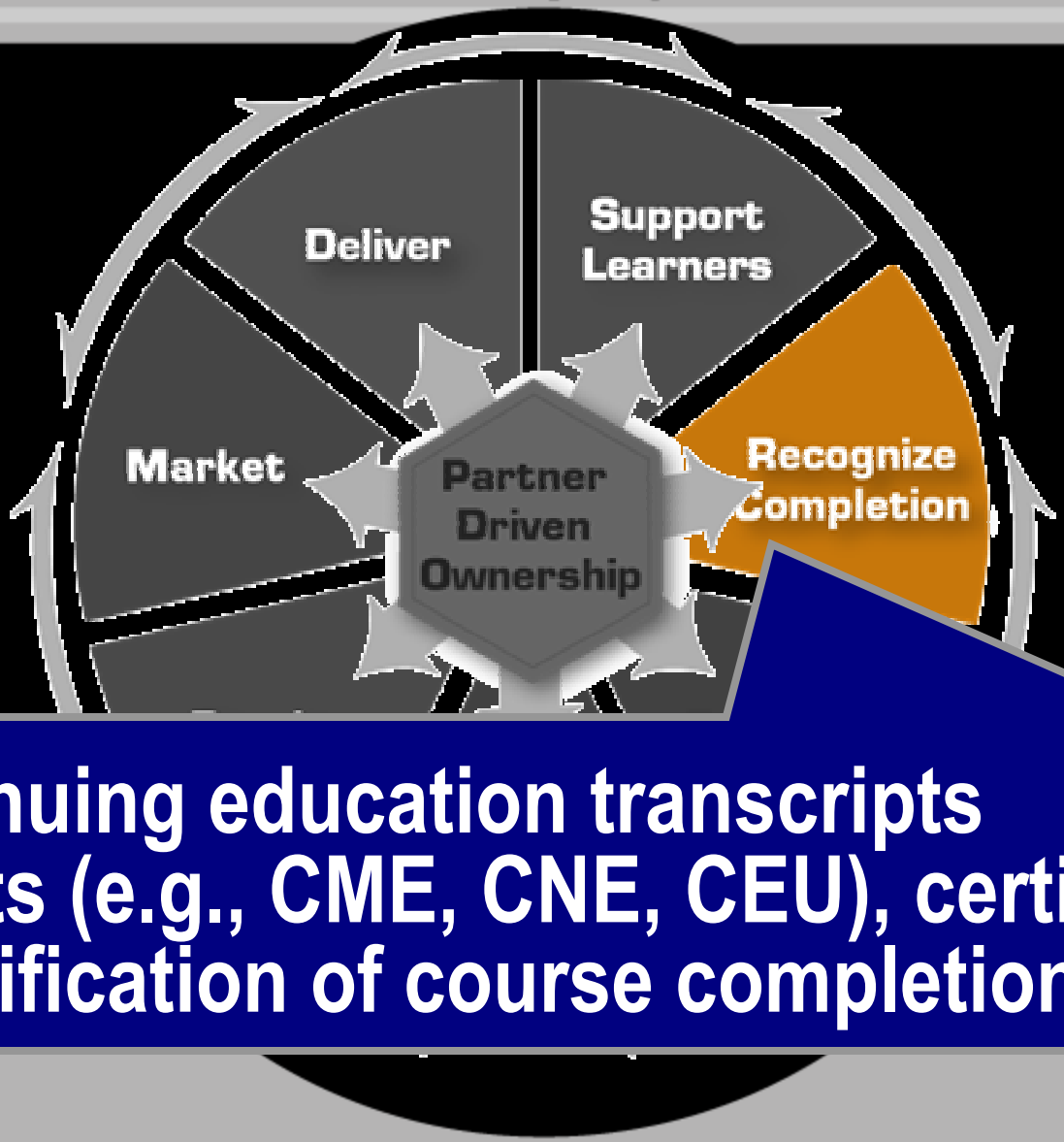
TrainingFinder Real-time Affiliate Integrated Network (TRAIN)

Public Health Foundation



Prototype

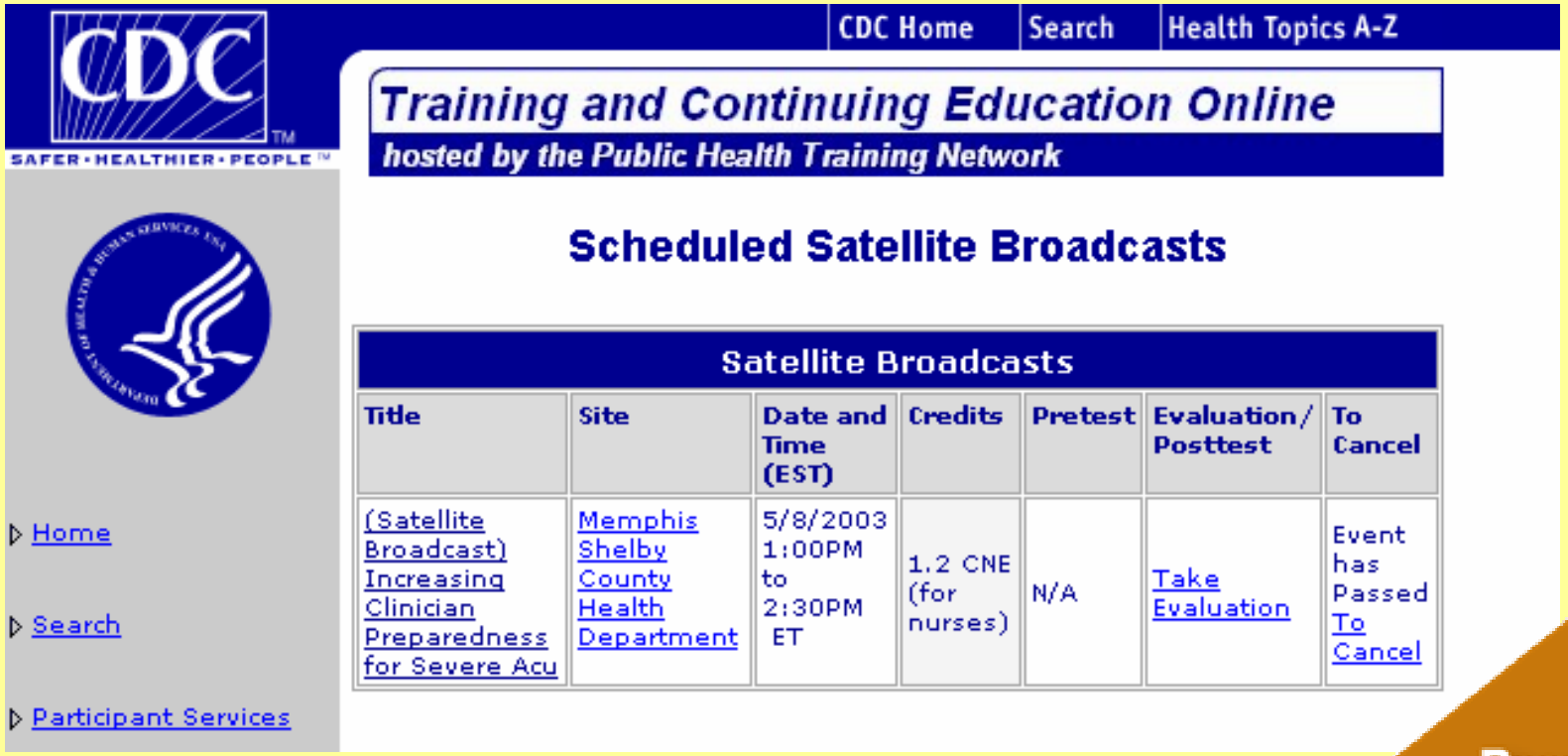
Support Learners



- Continuing education transcripts
- Credits (e.g., CME, CNE, CEU), certification, or verification of course completion

Learner Transcripts

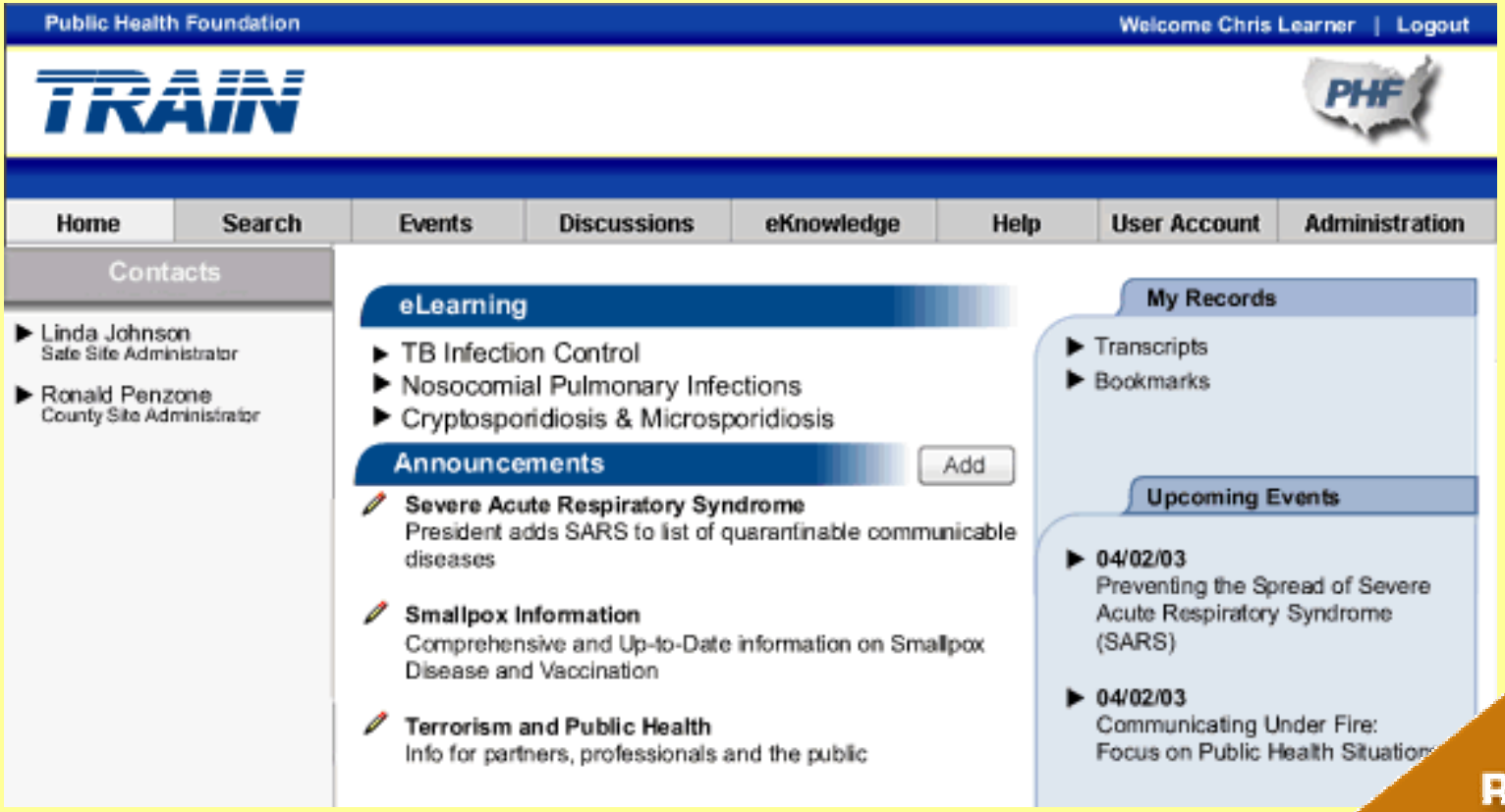
PHTN Online, www.phppo.cdc.gov/phtnonline
Centers for Disease Control and Prevention



Recognize Completion

Learner Profile Page

TrainingFinder Real-Time Affiliate Integrated Network (TRAIN)
Public Health Foundation



Prototype

Recognize Completion

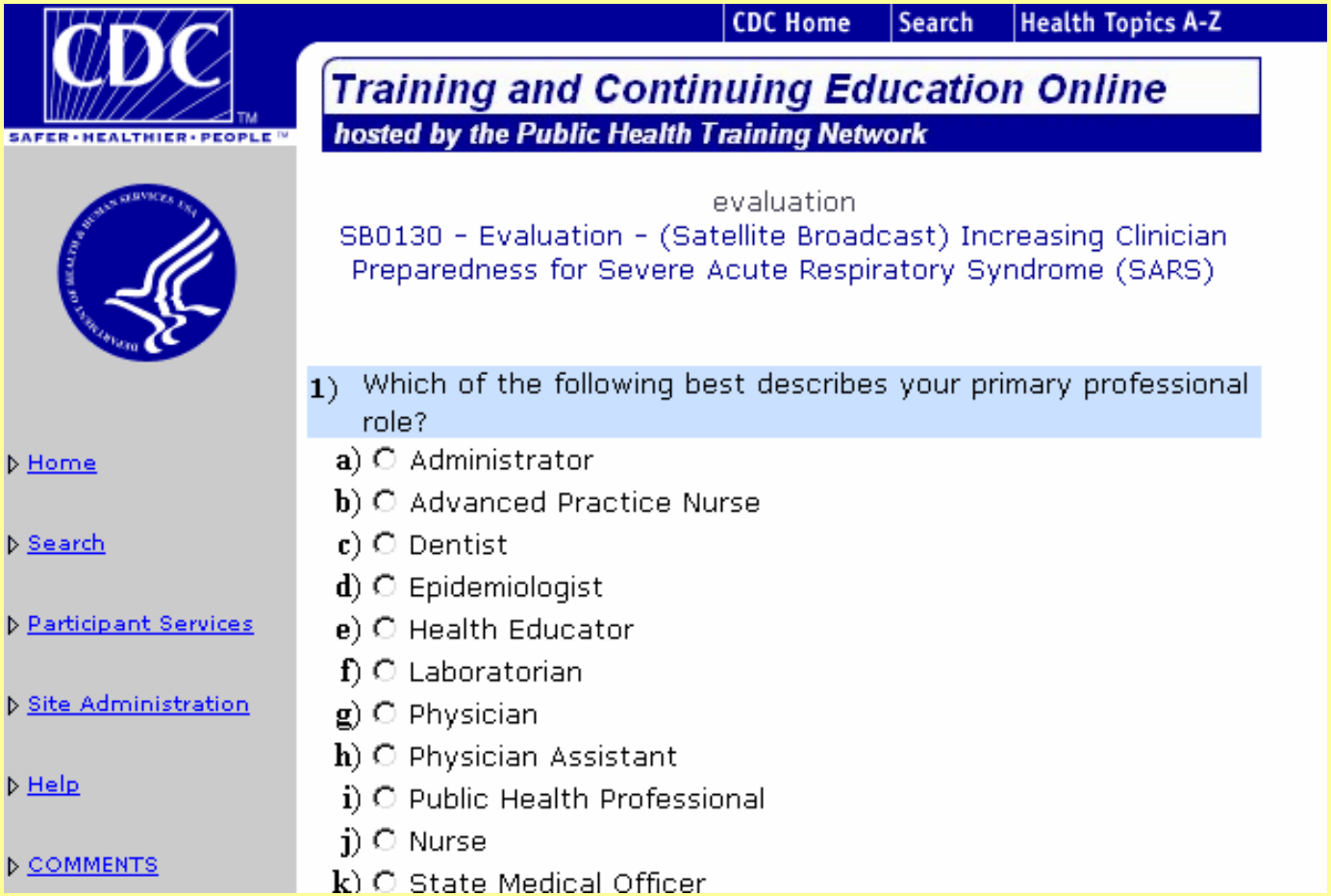
- Program
- Learning system performance
- Public health system performance

Course Evaluation System

PHTN Online, www.phppo.cdc.gov/phtnonline

Centers for Disease Control and Prevention

Evaluate



Rapid Learner Satisfaction Feedback

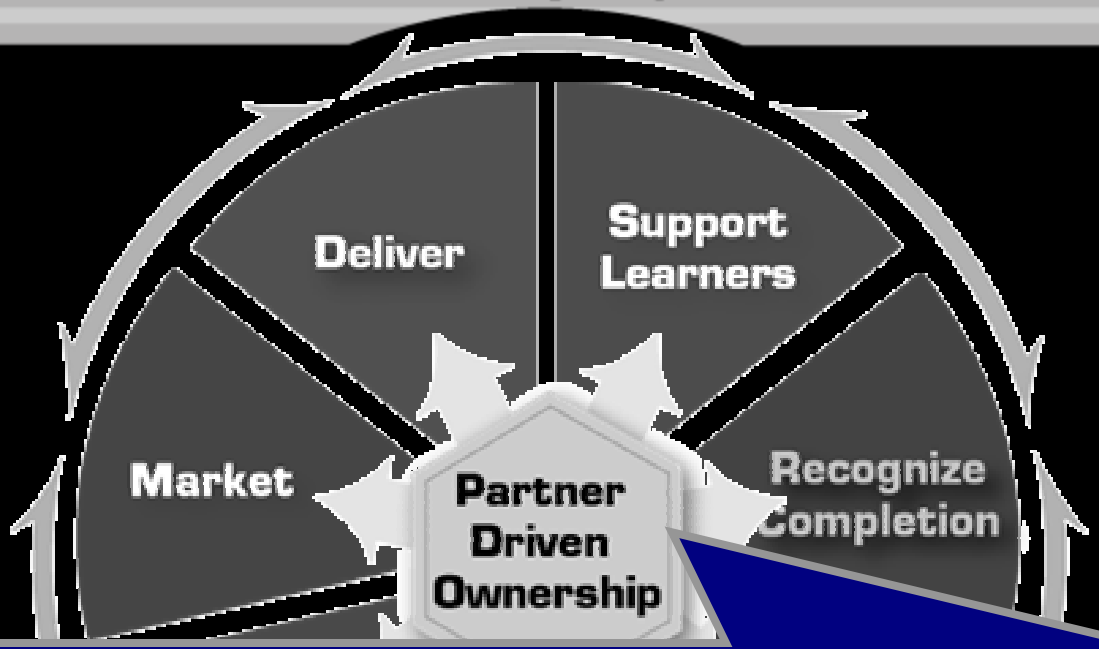
TrainingFinder.org
Public Health Foundation

Evaluate

Sample Learner Reviews

"One of the best of the CDC courses…The case photos were very useful…I would have liked more specific info on the exact technique of vaccine administration." —Physician

"Flow of information, visuals (photographs and key points), variety of presenters, makes for keeping the viewers interest… Excellent use of government dollars." —Hospital participant



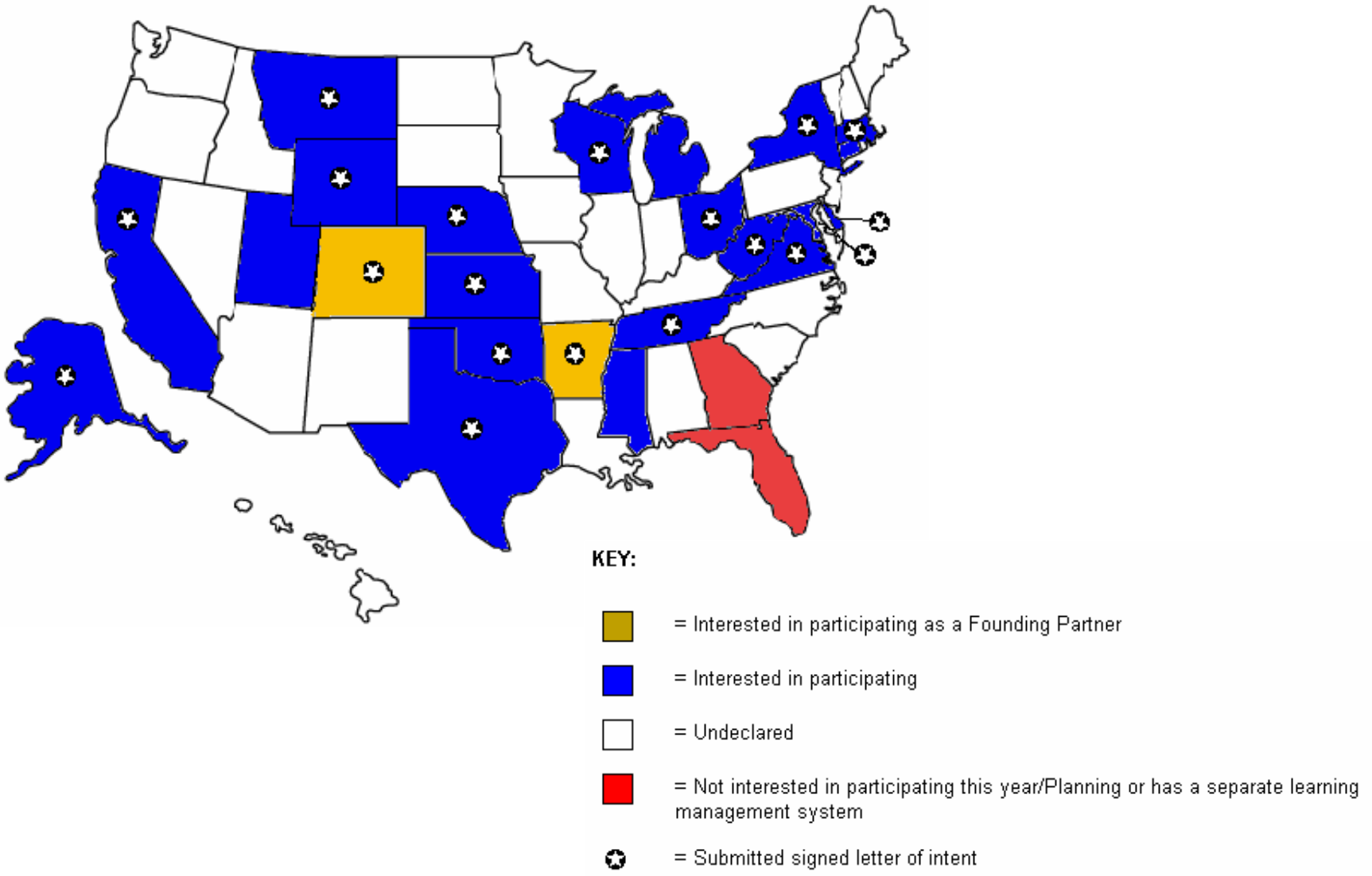
- Leadership to cultivate partners
- Coordination for planning, management
- Adopting standards and common business practices

TrainingFinder Real-time Affiliate Integrated Network (TRAIN) is PHF's effort to:

- Develop a nationwide LMS for public health in coordination with CDC, HRSA, states, academic institutions, and others
- Build on the largest distance learning clearinghouse for public health professionals, TrainingFinder.org
- Ensure interoperability among over 20 participating state affiliate sites, serving the majority of the U.S. population
- Save over $11 million in LMS costs through economy of scale, and create ongoing efficiencies in management and content

TRAIN…A Growing Network

http://www.phf.org/TRAINmap.htm



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Take home messages about Public Health Learning Data Systems

Practice

- Patchwork quilt of learning data systems
- Not able to answer at all levels
  - who is trained in what
  - gaps in content
  - relationship to performance

Promise

- Coordinated, standards-based approach
- Many opportunities to align with PHIN
- Essential data for public health response & ongoing performance management